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BUILDING MATERIAL INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

JC/T 1074-2021

Replacing JC/T 1074-2008

Purificatory Performance of Coatings with Air Purification

室内空气净化功能涂覆材料净化性能

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced JC/T 1074-2008 *Purificatory Performance of Coatings with Air Purification*. Compared with JC/T 1074-2008, the major technical changes of this Document are as follows besides the structural adjustments and editorial modifications:

- a) Change the Scope of the standard (see Clause 1 of this Edition; Clause 1 of the 2008 Edition);
- b) Change the “Normative References” (see Clause 2 of this Edition; Clause 2 of the 2008 Edition);
- c) Change the definitions of “Air purification coating” and “Purificatory efficiency”; added the definition of “Purification durability” (see Clause 3 of this Edition; Clause 3 of the 2008 Edition);
- d) Change the content of “Classification and Marking”. Air purification coatings are divided into Class I and Class II according to their use. Class I is further divided into Class IS and Class IF according to the material form; and Class W and Class G according to the purification principle (see Clause 4 of this Edition; Clause 4 of the 2008 Edition);
- e) Delete “Table 1 -- Purificatory Performance” and “Table 2 Purification Effect Durability”; add “Table 1 – Purificatory Performance of Indoor Air Purification Coating”; add “Purification durability” item; specify indicators of “Purificatory efficiency” and “Purification durability” projects according to Class IS, Class IF, Class II, Class W, and Class G (see Clause 5 of this Edition; Clause 5 of the 2008 Edition);
- f) Change “test conditions” into “test environmental conditions”; and change the content (see 6.1 of this Edition; 6.1 of the 2008 Edition);
- g) Change “test device” to “test apparatus and reagents”; and change the content (see 6.2 of this Edition; 6.2 of the 2008 Edition);
- h) Add the content of the “gas collection and analysis” item (see 6.3 of this Edition); add the content of the “test substrate” item (see 6.5 of this Edition);
- i) Change the content of the “preparation of test sample plate” item (see 6.6 of this Edition; 6.4 of the 2008 Edition);
- j) Change the test method and result calculation of the “purificatory efficiency” item (see 6.7 and 7.1 of this Edition; 6.5 of the 2008 Edition); change the test method and result calculation of the “purification durability” item (see 6.8 and 7.2 of this Edition; 6.6 of the 2008 Edition);

the 2008 Edition):

- k) Change the content of “Test Report” (see Clause 8 of this Edition; Clause 7 of the 2008 Edition);
- l) Change the content of “Inspection Rules” (see Clause 9 of this Edition; Clause 8 of the 2008 Edition);
- m) Add the content of “Appendix A (Normative) Test Chamber System” (see Appendix A of this Edition);
- n) Add The content of “Appendix B (Normative) Test Method of Purificatory Performance of Coatings with Non-Photocatalytic Air Purification” (see Appendix B of this Edition);
- o) Add the content of “Appendix C (Normative) Test Method of Purificatory Performance of Coatings with Photocatalytic Air Purification” (see Appendix C of this Edition).

Please note some contents of this Document may involve patents. The issuing agency of this Document shall not assume the responsibility to identify these patents.

This Document was proposed by China Building Materials Federation.

This Document shall be under the jurisdiction of Environmentally Friendly and Healthy Building Materials Standardization Technical Committee of Building Materials Industry.

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The historical edition replaced by this Document is as follows:

--- JC/T 1074-2008.